

## LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (currently amended) Control circuit for control of a media heating device of a dental handpiece, comprising:

at least one media;

at least one media valve to allow the at least one media to flow through the dental handpiece;

a heating current circuit in which there is arranged disposed in the dental handpiece comprising a means for heating the at least one media;

at least one hand-actuatable first switch, which can be actuated by hand, for activating the heating device; the at least one hand-actuatable first switch able to activate both the heating current circuit and the at least one media valve; and,

at least one further, controllable second switch element arranged in the heating current circuit, which the at least one second switch element can able to be set in dependence upon an external control signal into a conducting condition to render the heating current circuit operative or a non-conducting condition to render the heating current circuit inoperative[.];

wherein with the at least one second switch in the conducting condition, the heating current circuit is responsive to actuation of the at least one first switch to allow heating of the at least one media as the media is conducted through the dental handpiece; and,

wherein with the at least one second switch in a non-conducting condition, the heating current circuit is not responsive to actuation of the at least one first switch to allow heating of the at least one media as the media is conducted through the dental handpiece.

2. (currently amended) Control circuit according to claim 1, ~~wherein the heating current circuit is connected to an a.c. voltage source and there are provided the at least one second switch comprising two controllable second switches elements which are arranged anti-parallel in the heating current circuit;~~

wherein the heating current circuit is connected to an a.c. voltage source.

3. (currently amended) Control circuit according to claim 1, comprising at least one or two optotriac[[s]] to deliver the external control signal to the ~~controllable switch element~~ at least one second switch.

4. (currently amended) Control circuit according to claim 1, wherein the ~~controllable~~ at least one second switch element is a thyristor.

5. (currently amended) Control circuit according to claim 1, wherein two ~~hand-actuatable~~ first switches are arranged in the heating current circuit in parallel to one another, one ~~said~~ first switch being provided for activating air media heating and another ~~said~~ first switch being provided for activating water media heating.

6. (previously presented) Control circuit according to claim 1, comprising a valve for a corresponding air or water medium opened upon actuation of each said switch.

7. (previously presented) Control circuit according to claim 1, further comprising an illumination device for the dental handpiece, which is activated upon activation of the heating device.

8. (previously presented) Control circuit according to claim 7, wherein the illumination device remains active for a predetermined persistence time after deactivation of the heating device.

9. (previously presented) Control circuit according to claim 7, wherein the illumination device comprises a control block, which, in dependence upon an input signal, controls a light supply unit for operating a light source.

10. (previously presented) Control circuit according to claim 9, wherein a voltage drop within the heating current circuit is delivered to the control block as an input signal.

11. (previously presented) Control circuit according to claim 10, wherein the voltage drop within the heating current circuit is delivered to the control block via an opto-coupler.
12. (previously presented) Control circuit according to claim 7, wherein the heating current circuit and the illumination device are connected to a common current supply source.
13. (previously presented) Control circuit according to claim 12, wherein the current supply source issues an a.c. voltage, with a rectifier connected upstream of the illumination device.
14. (previously presented) Dental handpiece having a heating device for heating at least one of an air supply and a water supply, comprising a control circuit in accordance with claim 1.
15. (previously presented) Dental handpiece according to claim 14, comprising a dental spray handpiece.
16. (previously presented) Dental spray handpiece comprising:  
a heating device which can be switched on and switched off via a switch, for a medium flowing therethrough;  
wherein the heating device can be deactivated via an external signal disabling the switch when the medium is intended for the purpose of at least one of cleaning and disinfecting the spray handpiece.
17. (canceled)